

a top case arranged on the liquid crystal panel and connected to a bottom case;  
a tape carrier package for connecting the printed circuit board to the liquid crystal display;

92 cont.  
a second pad between the main <sup>frame</sup> and the printed circuit board for fixing the distance between the main frame and the printed circuit board; and

a third pad between the printed circuit board and a bottom case for fixing the distance between the bottom case and the printed circuit board.

9. (NEW) The liquid crystal display of claim 8, wherein the tape carrier package is arranged between the printed circuit board and the third pad.

10. (NEW) The liquid crystal display of claim 9, wherein the first pad, the second pad, and third pad include silicon.

Sub C3  
11. (NEW) The liquid crystal display of claim 9, wherein the tape carrier package is arranged between the printed circuit board and the third pad.--

---

#### REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the subject application. The Office Action of May 22, 2002, has been received and contents carefully reviewed.

In the Office Action, the Examiner rejected claim 1 under 35 U.S.C. § 112, second paragraph; claims 1-5 were rejected under 35 U.S.C. § 102(b) as being anticipated by Matsuda

(U.S. Pat. No. 5,929,950); claim 6 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Matsuda in view of Kawano et al. (U.S. Pat. No. 6,195,141); and the drawings were objected to under 37 C.F.R. § 1.83(a) for not showing every feature of the invention specified in the claims.

In rejecting claim 1 under 35 U.S.C. § 112, second paragraph, the Examiner states, “it is unclear how the heat is being ‘shut off’ by the pad. It appears that the heat still flows into the liquid crystal panel through the light guide according to Fig. 5.” (Office Action at 2.) Applicant respectfully submits that the second paragraph of 35 U.S.C. § 112, sets forth two separate requirements. First, the claims must set forth the subject matter the applicant regards as his invention. Second, the claims must particularly point out and distinctly define the meaning and bounds of the subject matter that will be protected by the patent grant.

Applicant respectfully submits that amended claim 1 is in full compliance with 35 U.S.C. § 112, second paragraph. Accordingly, applicant respectfully requests the withdrawal of the rejection under 35 U.S.C. § 112, second paragraph.

In objecting to the drawings as not showing every feature of the claimed invention, the Examiner stated, “the pads in Claims 1 and 6 must be shown in Fig. 4 or the feature(s) cancelled from the claim(s). (Office Action at 2.) Applicant respectfully traverses this objection and reconsideration is hereby requested.

Applicant respectfully submits that examples of the above-listed element are clearly shown in the drawings and described in the specification. For the purposes of example only, pads are shown in Fig. 5, elements 54, 56A, and 56B. Accordingly, Applicant respectfully submits that examples of all claim elements are clearly indicated in the drawings and respectfully request the Examiner to withdraw all objections to the drawings. In order to clarify Fig. 4 is a plan view illustrating a structure of a LCD module accordingly to an embodiment of the present

invention and Fig. 5 is a cross sectional view of Figure 4 along line B to B'. Therefore, the pads as described above are in Fig. 4 as exemplified by Fig. 5.

The Examiner rejected claims 1- 5 under 35 U.S.C. § 102(b) as being anticipated by Matsuda. Applicant respectfully traverses this rejection and reconsideration is hereby requested.

Amended claim 1 is allowable over Matsuda in that this claim recites a combination of elements, including, for example, "a pad provided between the panel guide and the back light assembly forming a distance between the panel guide and the back light assembly and thermally insulating the liquid crystal panel from a light in the back light assembly." None of the cited references, singularly or in combination, teaches or suggests at least these features of the claimed invention. Accordingly, Applicant respectfully submits that independent claim 1 and dependant claims 2-6, which depend from independent claim 1, are allowable over the cited references.

Claim 6 was rejected under 35 U.S.C. § 103(a) as being unpatentable and Matsuda in view of Kawano et al. Applicant respectfully traverses this rejection and reconsideration is hereby requested.

Claim 6, which ultimately depends from claim 1, is allowable for at least the similar reasons, as discussed above, none of the references singularly or combination, disclose all the elements of claim 6. Namely, the additionally cited reference, Kawano et al., does not cure the deficiencies of Matsuda as discussed above with respect to independent claim 1. Accordingly, Applicant respectfully request reconsideration and withdraw of the rejection under 35 U.S.C. § 103 as a *prima facie* case of obvious as not been established.

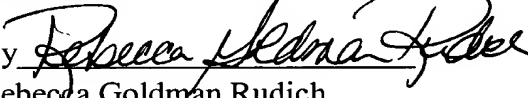
In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

If the Examiner deems that a telephone call would further the prosecution of this application, the Examiner is invited to call the undersigned at (202) 496-7600. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. § 1.136, and any additional fees required under 37 C.F.R. § 1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911.

Dated: September 24, 2002

Respectfully submitted,

By   
Rebecca Goldman Rudich  
Registration No. 41,786  
MCKENNA LONG & ALDRIDGE LLP  
1900 K Street, N.W.  
Washington, DC 20006  
(202) 496-7500  
Attorneys for Applicant



30827

PATENT TRADEMARK OFFICE

**Version With Markings to Show Changes Made**

1. (Amended) A liquid crystal display device, comprising:

a liquid crystal panel;

a backlight assembly for radiating a light onto the liquid crystal panel;

a panel guide provided between the backlight assembly and the liquid crystal panel to support the liquid crystal panel; and

a pad provided between the panel guide and the backlight assembly [to maintain] forming a distance between the panel guide and the backlight assembly and thermally insulating [to shut off a heat and a foreign substance flowing into] the liquid crystal panel from a light in the backlight assembly.